

CLAIMS

1. A recombinant micro-organism delivering a trefoil peptide *in vivo*.
- 5 2. A micro-organism according to claim 1, wherein said micro-organism is a bacterial strain.
3. A micro-organism according to claim 2, wherein said micro-organism is a food grade bacterial strain, preferably a gram-positive bacterial strain.
- 10 4. A micro-organism according to claim 3, wherein said bacterial strain is a *Lactococcus* or a *Lactobacillus* species.
- 15 5. A micro-organism according to claim 4, wherein said bacterial strain is *Lactococcus lactis*.
6. A micro-organism according to any of claims 1 to 5 wherein said trefoil peptide is TFF1.
- 20 7. Pharmaceutical composition comprising a micro-organism according to any of claims 1 to 6.
8. Method for the delivery of trefoil peptide to the gastro-intestinal tract comprising the administration of a micro-organism according to any of claims 1 to 6.
- 25 9. Use of a micro-organism according to any of claims 1 to 6 for the manufacture of an agent for the delivery of a trefoil peptide to the gastro-intestinal tract.
- 30 10. Method of treatment of gastric and/or intestinal diseases and/or disorders comprising the administration of a micro-organism according to any of claims 1 to 6.
- 35 11. Method of treatment of lesions caused by gastric and/or intestinal diseases and/or disorders comprising the administration of a micro-organism according to any of claims 1 to 6.

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12. Use of a micro-organism according to any of claims 1 to 6 for the preparation of a medicament for treatment of gastric and/or -intestinal diseases and/or disorders
13. Use of a micro-organism according to any of claims 1 to 6 for the preparation of a medicament for treatment of acute gastro-intestinal inflammatory diseases comprising acute colitis, acute flare-ups of Crohn's diseases and ulcerative colitis.
- 10 14. Use of a micro-organism according to any of claims 1 to 6 for the preparation of a medicament for treatment of chronic and spontaneously recurring diseases of the gastro-intestinal tract comprising Crohn's disease (enteritis regionalis) and ulcerative colitis (colitis ulcerosa).
- 15 15. Use of a micro-organism according to any of claims 1 to 6 for the preparation of a medicament for inhibiting the formation of lesions caused by gastric and/or ~~intestinal diseases and disorders.~~
- 20 16. Method for producing a micro-organism according to any of claims 1 to 6 comprising transforming a micro-organism with a recombinant vector carrying a trefoil peptide coding sequence under the control of a suitable promoter and a suitable secretion signal sequence.
- 25 17. Recombinant vector comprising a trefoil peptide coding sequence under the control of a suitable promoter sequence and a suitable secretion signal sequence.
18. Recombinant vector according to claim 17, having a nucleotide sequence as represented by any of SEQ ID NOs 1, 2, or 3.

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